

Certificate of Analysis

Product Name:	Benfotiamine
CAS#:	22457-89-2
Molecular Formula:	C₁₉H₂₃N₄O₆PS
Molecular Weight:	466.45
Starting Material:	Thiamine HCl
Carrier:	None
Country of Origin:	China
Batch Number:	Varies
Manufacture Date:	Varies
Retest Date:	varies

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Benfotiamine (HPLC)	98.0-102.0%	101.30%
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Description	White Crystalline powder	Conforms
Identification	The retention time of main peak is accordant with that of Benfotiamine RS	Conforms
Melting point	≥198°C	202~203°C
Loss on Drying	≤1.5%	0.4%
Clarity and color of solution	Colorless to light yellow clear solution	Conforms
Chloride (Cl)	≤0.053%	<0.053%
Sulphate	≤0.011%	<0.011%
Heavy Metals	≤20 ppm	<20 ppm
Related Substances		
Thiamine	≤0.15%	0.02%
Benzoic Acid impurities	Total ≤0.1%	Not Detected
	≤1.0%	0.2%
Mesh Size	95% pass 20 mesh	Conforms
Conclusion (Manufacturer):	This product Conformss to enterprise standards	

Additional Information:	Non-Allergen BSE/TSE Free Gluten-Free Vegan/Vegetarian
GMO Statement:	Non-GMO
Storage Conditions:	Keep in sealed container under 25°C. Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Ann Foote / Candace Gibson / Nicole Rammage

(This document was produced electronically and is valid without signature.)